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- 1 [Breaking the silos: access and service convergence over the mobile](#)
Victor C.M. Leung, Terrence Wong, Peyman TalebiFard
October 2008 **MSWIM '08: Proceedings of the 11th international symposium on analysis and simulation of wireless and mobile systems**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (716.88 KB) [Additional Information: full citation, abstract, reference](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 134, Citation

Conventional network services operate like silos in that a specific set of offered over a specific type of access network. As access networks evolve based packet access, it becomes attractive to break these "service silos

Keywords: IP multimedia subsystem, convergence, heterogeneous access service oriented architecture

- 2 [A new architecture for 3G and WLAN integration and inter-system handover management](#)

S. Mohanty

November 2006 **Wireless Networks**, Volume 12 Issue 6

Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (405.31 KB) [Additional Information: full citation, abstract, reference](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 263, Citation

WLAN has strong potential to provide a perfect broadband complement systems. This has raised much interest in their integration. In this paper architecture using the Network Interoperating Agent (NIA), and Integra

Keywords: handover failure probability, integration of 3G wireless system inter-system handover

- 3 [Signalling analysis in integrated 4G networks](#)
Hakima Chaouchi, Ivan Armuelles, Ivan Ganchev, Máirtín O'Droma, Ning K January 2006 **International Journal of Network Management**, Volume 16
Publisher: John Wiley & Sons, Inc.
Full text available: [Pdf](#) (517.12 KB) [Additional Information: full citation, abstract, reference](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 69, Citation

Scarce radio resources and the ambition to increase the number of mobile communication systems from non-service convergent 2G and convergent-service 2.5G and 3G wireless

4 [Integrating heterogeneous wireless technologies: a cellular aided mobile network \(CAMA\)](#)

Bharat Bhargava, Xiaoxin Wu, Yi Lu, Weichao Wang

August 2004 **Mobile Networks and Applications** , Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (365.14 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 65, Citation

A mobile ad hoc network is a collection of wireless terminals that can be Its deficiencies include limited wireless bandwidth efficiency, low throughput and weak security. Integrating it with a well-established cellular ...


Keywords: ad hoc networks, cellular networks, heterogeneous network service, security

5 [Introduction of the asymmetric cryptography in GSM, GPRS, UMTS, key infrastructure integration](#)

Constantinos F. Grecas, Sotirios I. Maniatis, Iakovos S. Venieris

April 2003 **Mobile Networks and Applications** , Volume 8 Issue 2

Publisher: Kluwer Academic Publishers


Full text available:  Pdf (107.24 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 103, Citation

The logic ruling the user and network authentication as well as the data GSM architecture is characterized, regarding the transferring of the part in these processes, by transactions between three nodes of the system,


Keywords: PKIs, PLMNs, asymmetric cryptography

6 [Cellular universal IP: a low delay mobility scheme based on universe](#)

 Patrick P. Lam, Seung G. Liew, Jack Y. B. Lee

October 2005 **MSWiM '05: Proceedings of the 8th ACM international symposium on analysis and simulation of wireless and mobile systems**


Publisher: ACM [Request Permissions](#)

Full text available:  Pdf (2.52 MB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 22, Citation

The concept of care-of-address (CoA) is a major cause of excessive handoff Mobile IPv6 for real time multimedia traffic. Many schemes eliminate the micro-mobility scale, but leave the macro-mobility unsolved. This paper

Keywords: IP mobility, handoff, macro-mobility, micro-mobility


- 7 [100% organic: design and implementation of self-sustaining cellular](#)
 Nathanael Thompson, Petros Zerfos, Robert Sombrotzki, Jens-Peter Redlitz
 February 2008 **HotMobile '08**: Proceedings of the 9th workshop on Mobile
 and applications

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (939.85 KB) **Additional Information:** full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 76, Citation

A new model for developing cellular-like networks is emerging in the m
 users own and install part of the infrastructure and share it with other c
 network grows "organically" as more end users join and contribute to it:

- 8 [Flexible resource allocation and composition across gsm/3g network](#)
 Mohammad Al-Fares, Martin Johnsson, Per Johansson, Amin Vahdat
 August 2008 **MobiArch '08**: Proceedings of the 3rd international workshop
 evolving internet architecture

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (503.14 KB) **Additional Information:** full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 99, Citation

A significant challenge facing wireless and mobile networking is seamles
 connectivity. As expected, no single network operator and no single tech
 the wireless access landscape. Instead, heterogeneity and change chara


Keywords: mobile roaming, network composition, resource allocation

- 9 [Enhanced privacy and authentication for the global system for mobile](#)
[communications](#)

Chii-Hwa Lee, Min-Shiang Hwang, Wei-Pang Yang

July 1999 **Wireless Networks** - Volume 5 Issue 4


Publisher: Kluwer Academic Publishers

Full text available:  Pdf (204.97 KB) **Additional Information:** full citation, abstract, refere
 terms, review

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 144, Citati

The Global System for Mobile Communications (GSM) is widely recogniz
 digital mobile network architecture. Increasing market demands point to
 relevancy of security-related issues in communications. The security rec

- 10 [A smartcard for authentication in WLANs](#)

 Marc Loutrel, Pascal Urien, Guy Pujolle

October 2003 **LANC '03**: Proceedings of the 2003 IFIP/ACM Latin America c
 Towards a Latin American agenda for network research

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (333.05 KB) **Additional Information:** full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 86, Citation

Wireless LANs based on the IEEE 802.11b standard have spread very quickly in a few years. Nevertheless a lot of security issues remain and stop its deployment in corporations. One of the most important issues is the authentication of


Keywords: authentication, smartcard, wireless LANs

- 11 [Virtual operator based AAA in wireless LAN hot spots with ad-hoc network](#)
Junbiao Zhang, Jun Li, Stephen Weinstein, Nan Tu
June 2002 **SIGMOBILE Mobile Computing and Communications Review**
Publisher: ACM

Full text available:  Pdf (180.11 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 63, Citation

Sound and effective authentication, authorization and accounting (AAA) for mobile wireless accesses are of great importance for increasing the popularity and business opportunities in public wireless LANs.

- 12 [Low-cost communication for rural internet kiosks using mechanical back-haul](#)
A. Seth, D. Kroeker, M. Zaharia, S. Guo, S. Keshav
September 2006 **MobiCom '06: Proceedings of the 12th annual international conference on Mobile computing and networking**
Publisher: ACM 

Full text available:  Pdf (733.95 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)





Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 191, Citation

Rural kiosks in developing countries provide a variety of services such as health care, education, and death certificates, electricity bill collection, land records, email services, and consulting on medical and agricultural problems. Fundamental to a kiosk is a reliable communication system.

Keywords: delay tolerant networks, low cost, mechanical back-haul, rural communication, system design

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